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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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| | | | |
|---|----------------------|------------------------|-----------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 10/802,023 | |
| | Filing Date | 03-16-2004 | |
| | First Named Inventor | Ba-Zhong Shen | |
| | Art Unit | 2611 | |
| | Examiner Name | n/a | |
| Total Number of Pages in This Submission | 55 | Attorney Docket Number | BP3089CIP |

| ENCLOSURES (Check all that apply) | | |
|---|--|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to TC |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Terminal Disclaimer | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Request for Refund | 2. cover sheet/certification statement (2 pages) |
| <input checked="" type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> CD, Number of CD(s) _____ | 3. IDS forms (PTO/SB/08A, 0 sheet and PTO/SB/08B, 1 sheet) (1 page) |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> Landscape Table on CD | (see remarks below for additional items) |
| <input type="checkbox"/> Reply to Missing Parts/Incomplete Application | Remarks The following are also being submitted herewith: | |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | 4. cover letter from foreign associate and hard copy of non-U.S. patent reference (47 pages) | |
| | 5.a. "Letter of Authorization" from Henry Samuelli, Ph.D. (1 page) | |
| | 5.b. "Letter of Authorization" from Dee Henderson (1 page) | |
| | 5.c. POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO, Form PTO/SB/80 (01-06) (1 page) | |
| | 5.d. statement under 37 C.F.R. § 3.73(b) - Form PTO/SB/96 (09-06) (1 page) | |
| | 6. return postcard | |
| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | |
| Firm Name | Garlick Harrison & Markison (USPTO CN 51472) | |
| Signature | /SXShort/ Reg. No. 45,105 | |
| Printed name | Shayne X. Short, Ph.D. (Reg. No. 45,105) | |
| Date | 01-17-2007 | Reg. No. 45,105 |

| CERTIFICATE OF TRANSMISSION/MAILING | | |
|---|-------------------|-----------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: | | |
| Signature | | |
| Typed or printed name | Barbara A. Adkins | Date 01-17-2007 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | |
|--|--|
| Application Serial No: 10/802,023 | Attorney Docket No: BP3089CIP |
| Application Filing Date: 03-16-2004 | Inventor(s): Ba-Zhong Shen, Hau Thien Tran, and Kelly Brian Cameron |
| Examiner: n/a | |
| Art Group: 2611 | Patent No: n/a |
| Confirmation No: 2630 | Patent Issue Date: n/a |
| Title: LDPC (Low Density Parity Check) coded modulation symbol decoding using non-Gray code maps for improved performance | |

Date: 01-17-2007

Mail Stop AMENDMENT
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

It is requested that the enclosed reference listed on the attached Information Disclosure Statement by Applicant be considered by the Examiner in connection with the above-identified U.S. utility patent application and be made of record therein. During examination of a related EP patent application, the Examiner of the related EP patent application identified the enclosed reference. The cover letter provided by our foreign associate and a hard copy of the non-U.S. patent reference are being submitted herewith.

Certification Under 37 C.F.R. § 1.97(e)(1)

I hereby certify that the corresponding enclosed reference was cited in a communication from a foreign patent office in a counterpart foreign application (European Patent application 03022638.5-1247) not more than three months prior to the filing of this Information Disclosure Statement by Applicant.

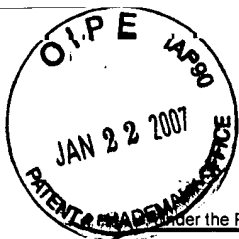
Independent consideration and acknowledgment of the enclosed reference is respectfully requested.

The Examiner is invited to contact the undersigned by telephone or facsimile if the Examiner believes that such a communication would advance the prosecution of the present U.S. utility patent application.

RESPECTFULLY SUBMITTED,

By: /SXShort/ Reg. No. 45,105
Shayne X. Short, Ph.D., Reg. No. 45,105
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Direct Fax No. (512) 394-9006

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| | | | |
|---|------|--------------------------|---------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | Complete if Known | |
| | | Application Number | 10/802,023 |
| | | Filing Date | 03-16-2004 |
| | | First Named Inventor | Ba-Zhong Shen |
| | | Art Unit | 2611 |
| | | Examiner Name | n/a |
| Sheet 1 | of 1 | Attorney Docket Number | BP3089CIP |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|--------------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | Moe Wheatley, "WinPSK Technical Reference Manual", 46 pages, 12-28-1999 | |
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|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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